

Program EVALPLOT  
(Version 2018-1)

by

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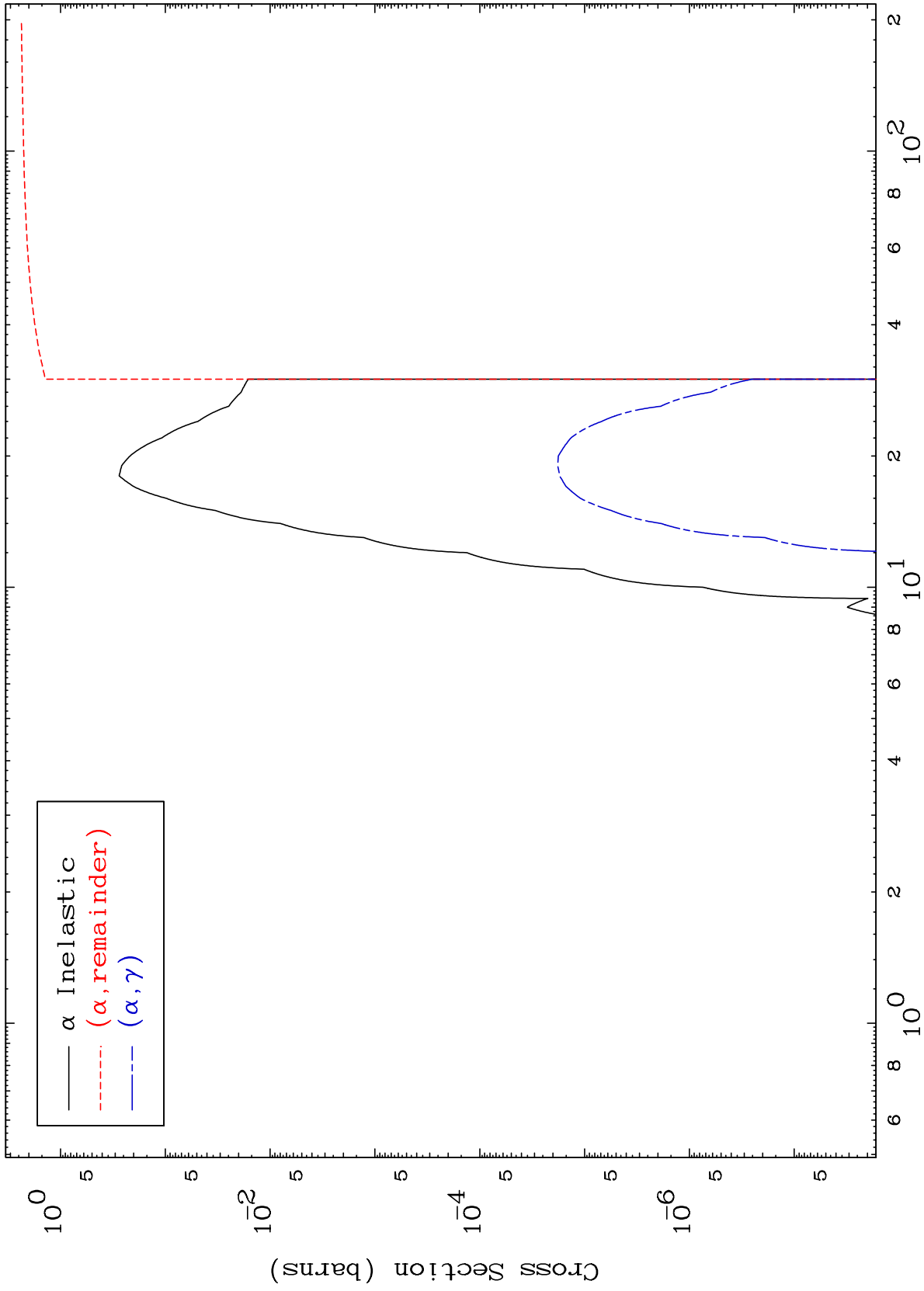
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5834

0 Kelvin  $\alpha$  Major

58-Ce-139



1

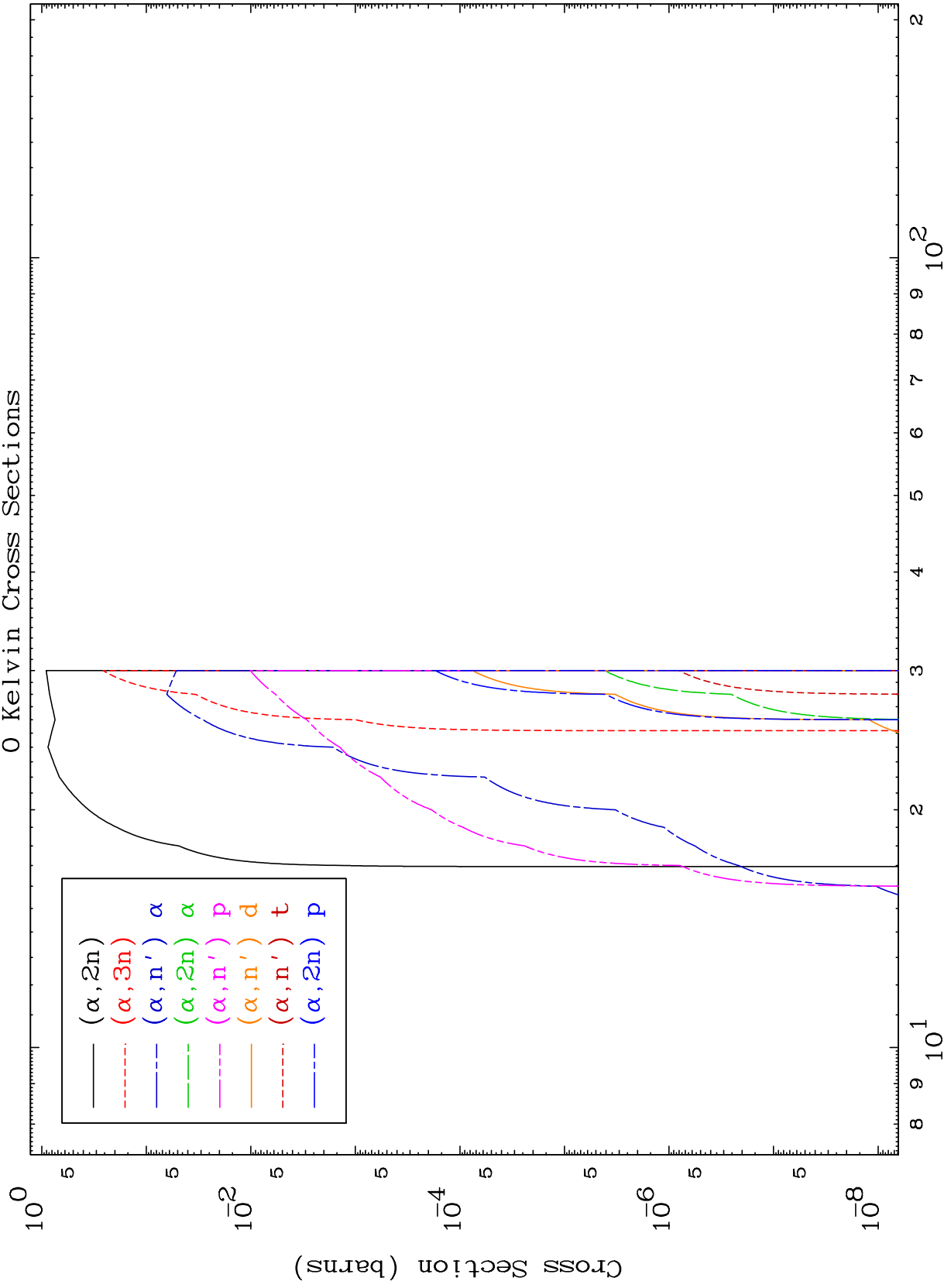
Incident Energy (MeV)

58-Ce-139

MAT 5834

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

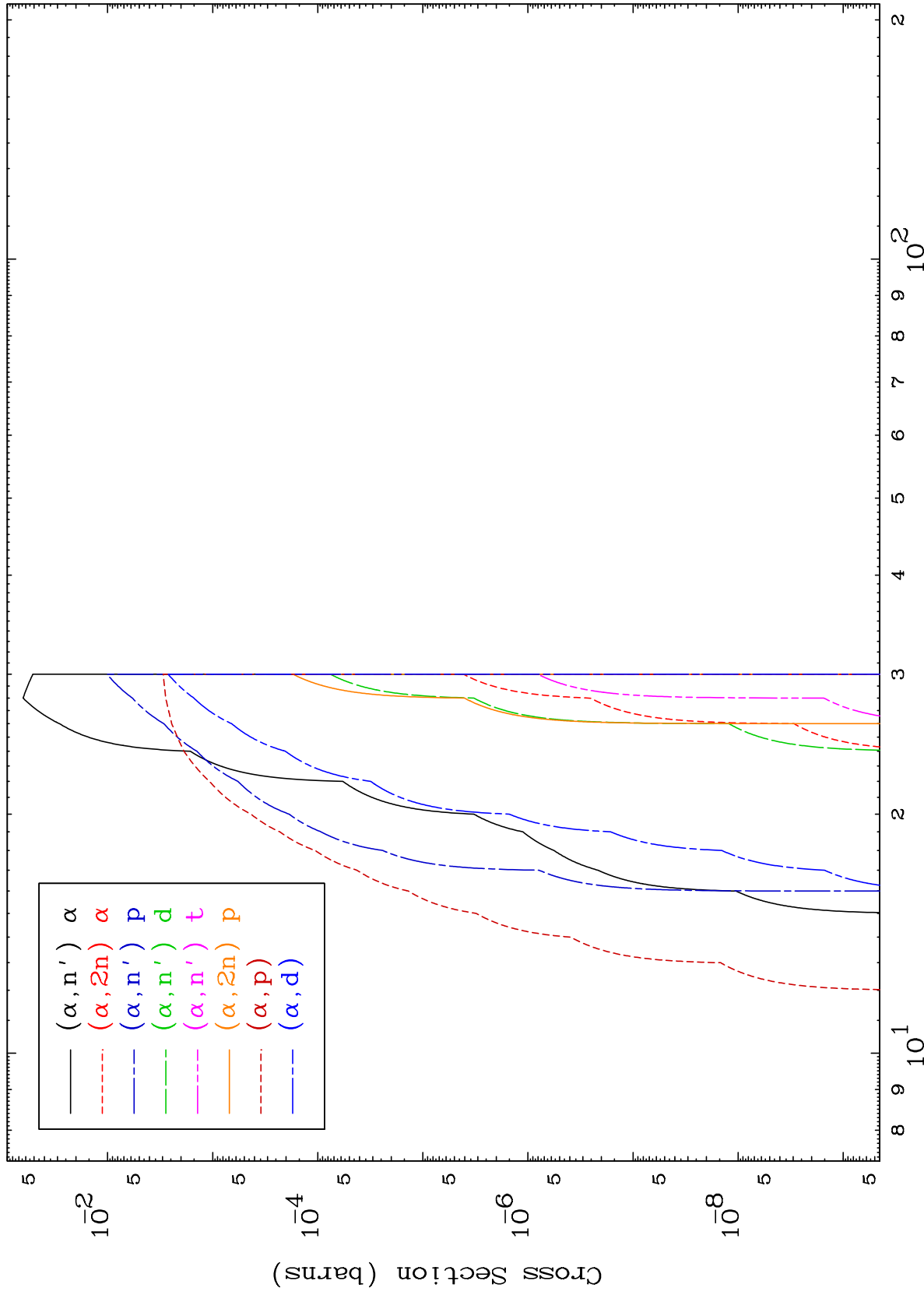
58-Ce-139



2

Incident Energy (MeV)

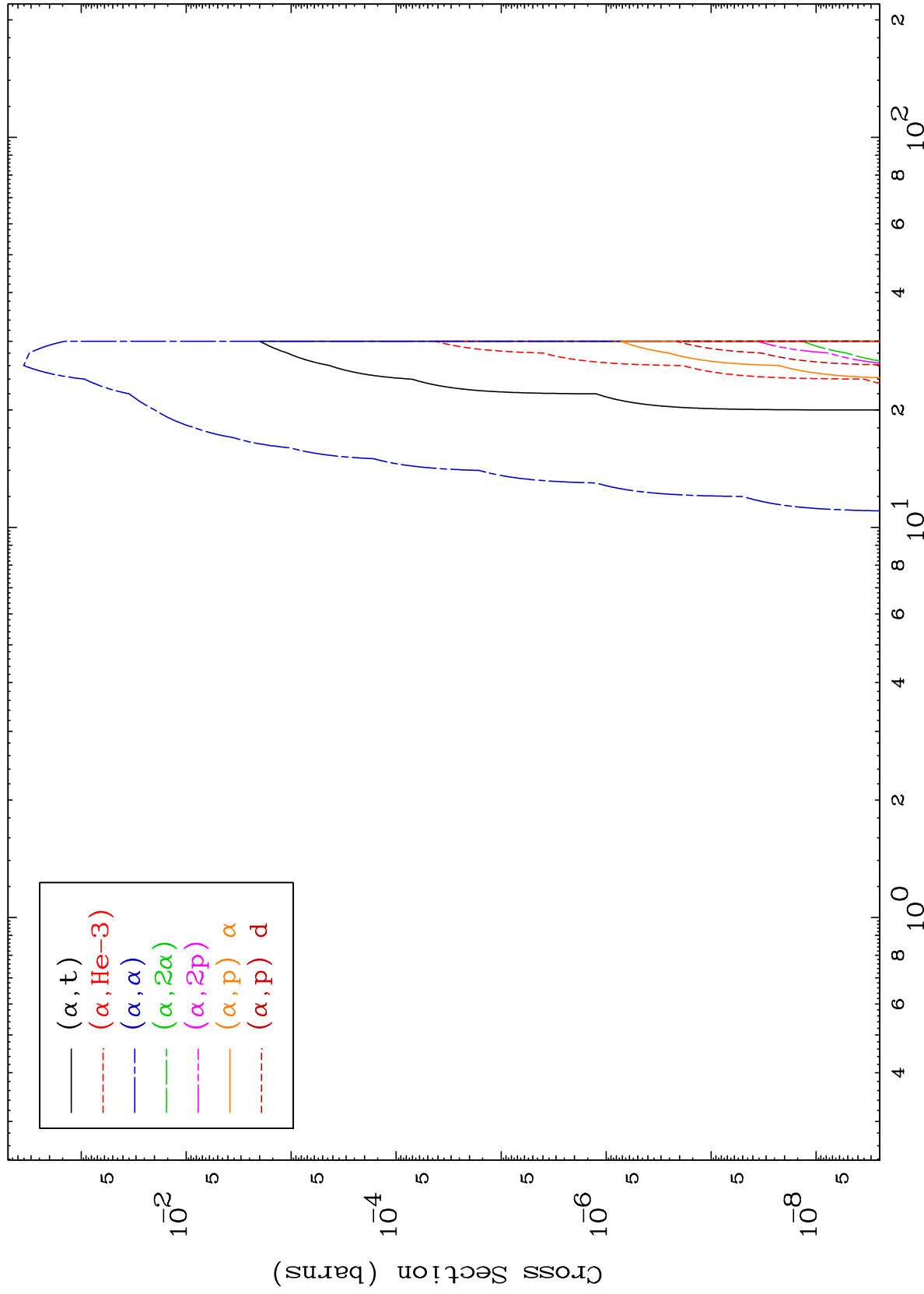
58-Ce-139



MAT 5834

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

58-Ce-139

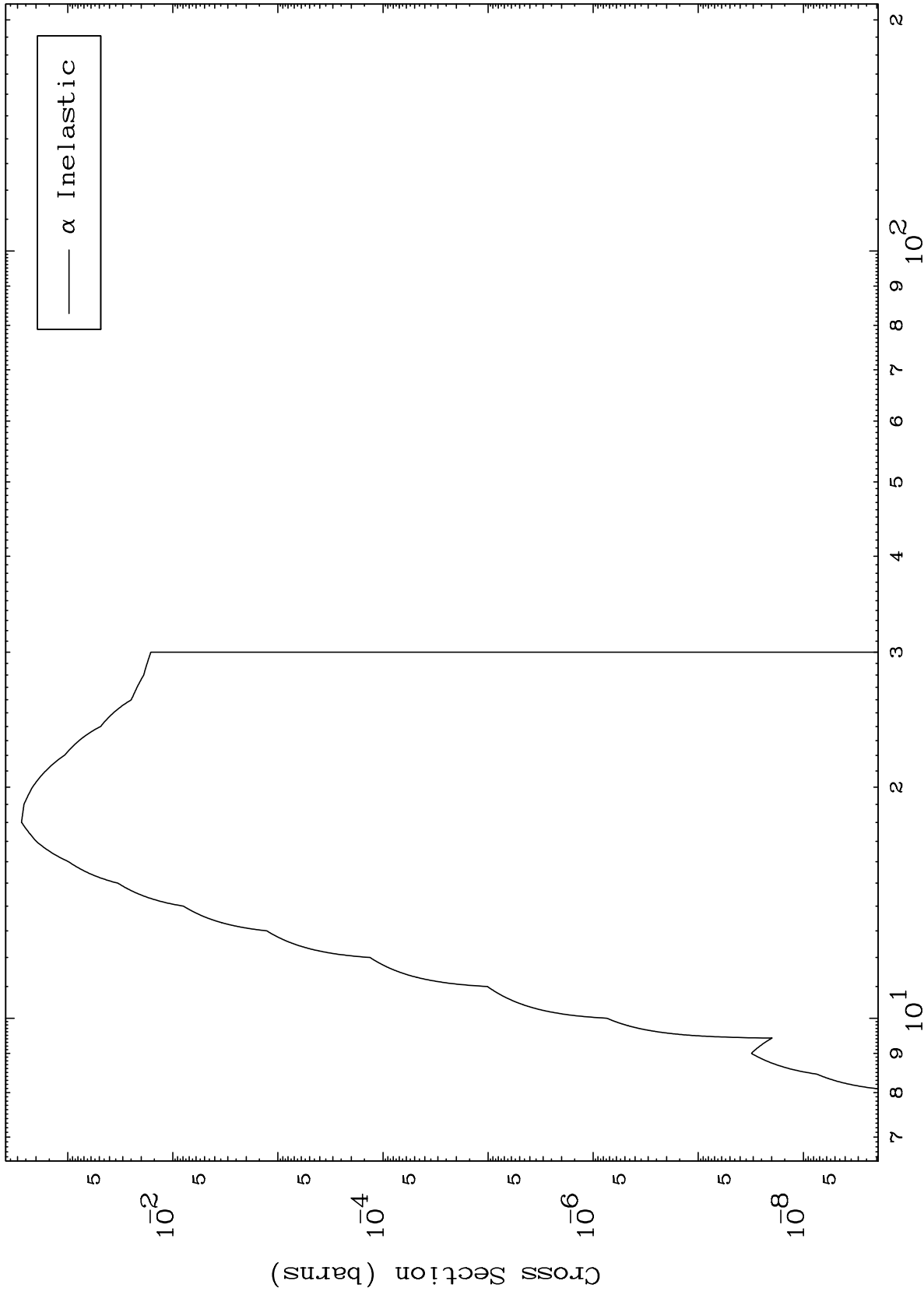


58-Ce-139

MAT 5834

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

58-Ce-139



5

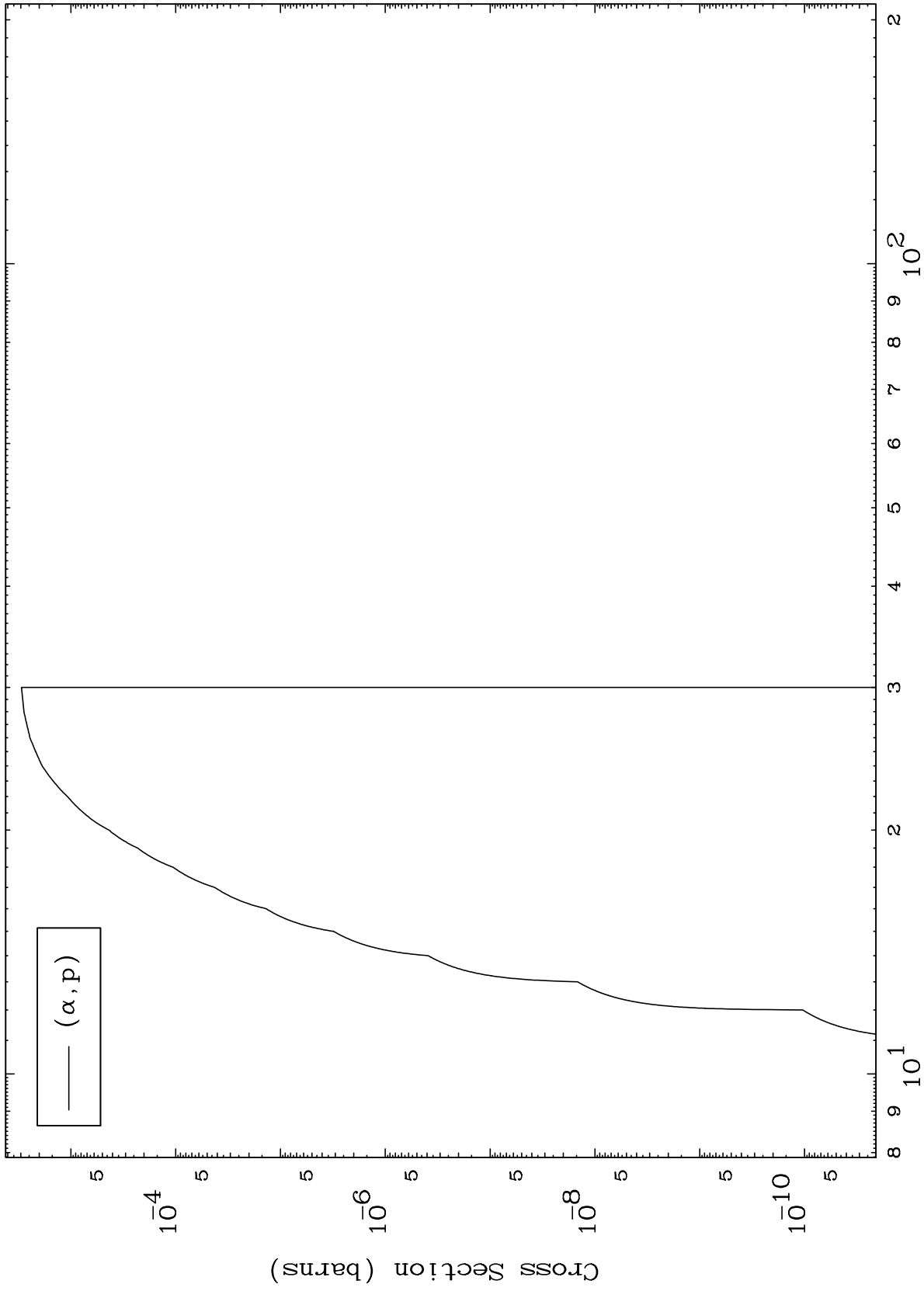
Incident Energy (MeV)

58-Ce-139

MAT 5834

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

58-Ce-139



6

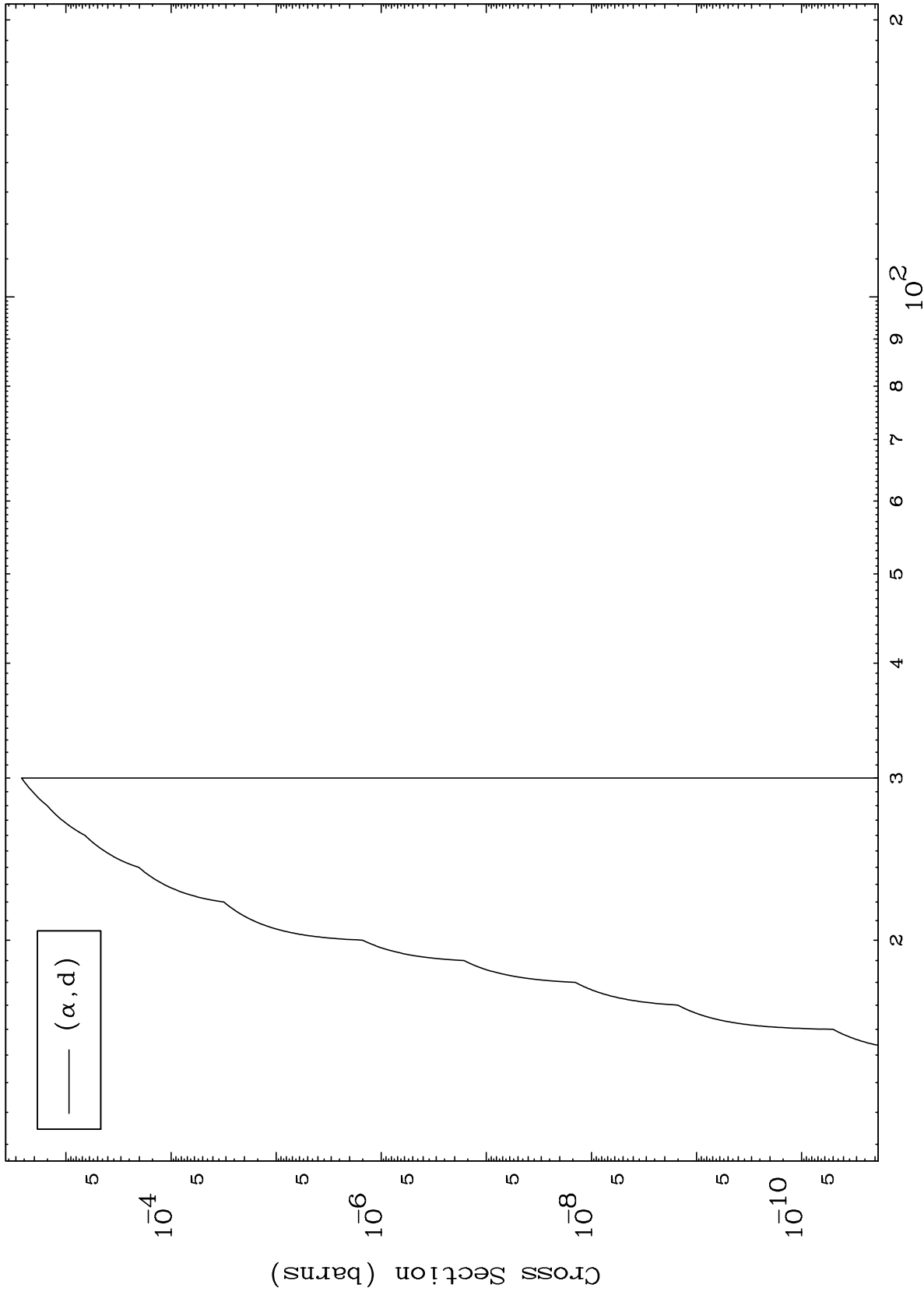
Incident Energy (MeV)

58-Ce-139

MAT 5834

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

58-Ce-139



7

Incident Energy (MeV)

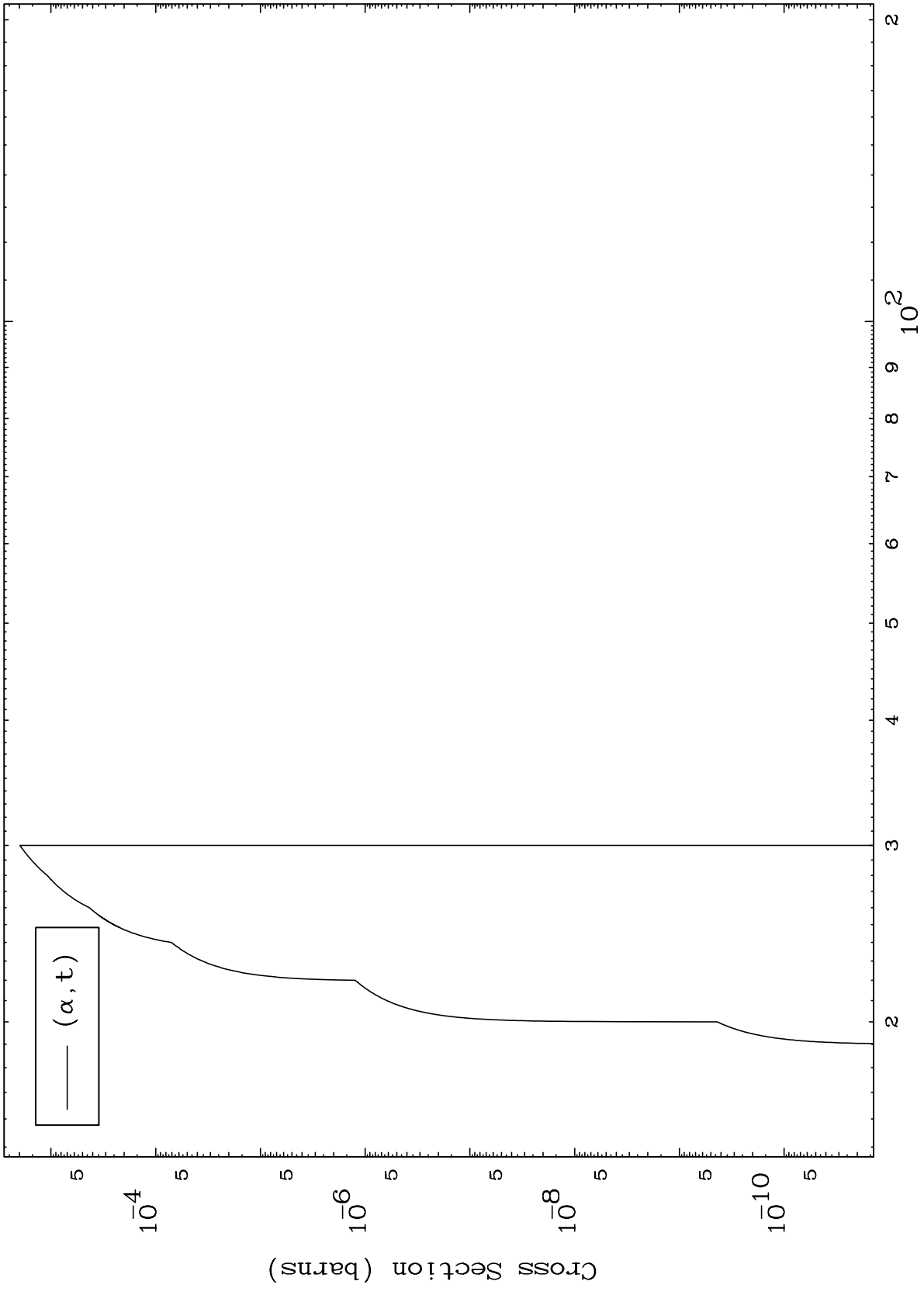
58-Ce-139



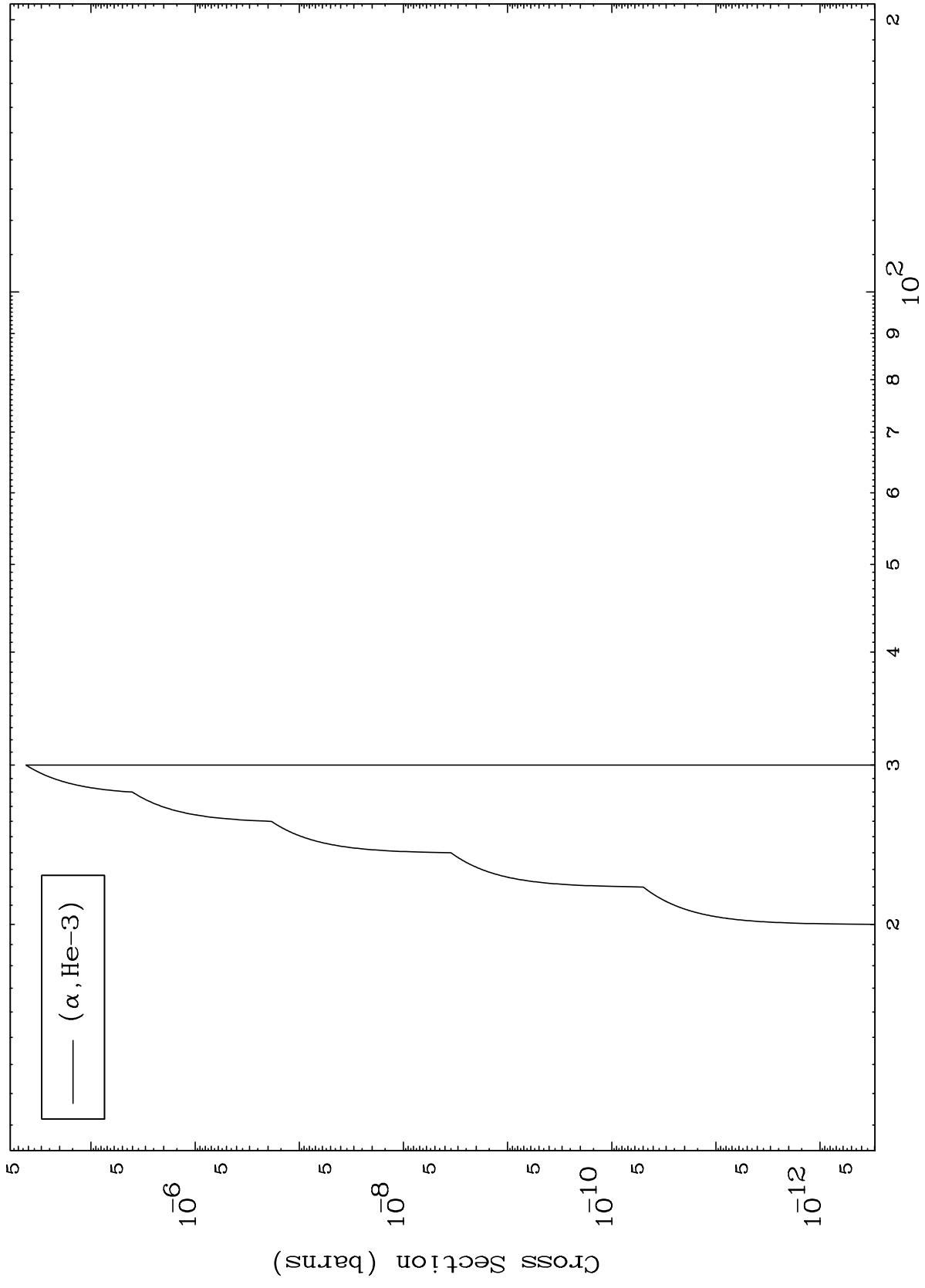
MAT 5834

( $\alpha, t$ ) Levels  
0 Kelvin Cross Sections

58-Ce-139



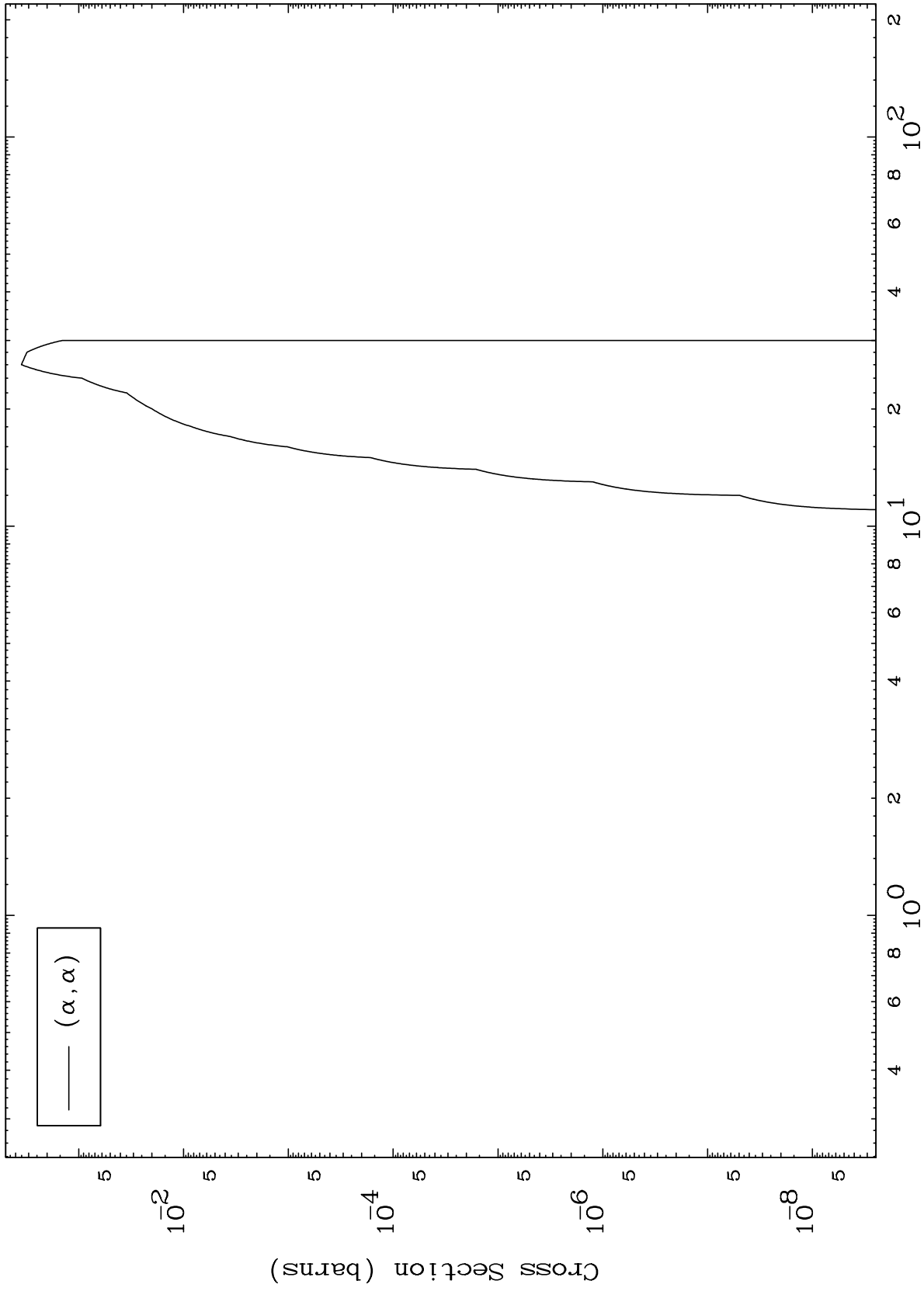
8



MAT 5834

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

58-Ce-139



10

Incident Energy (MeV)

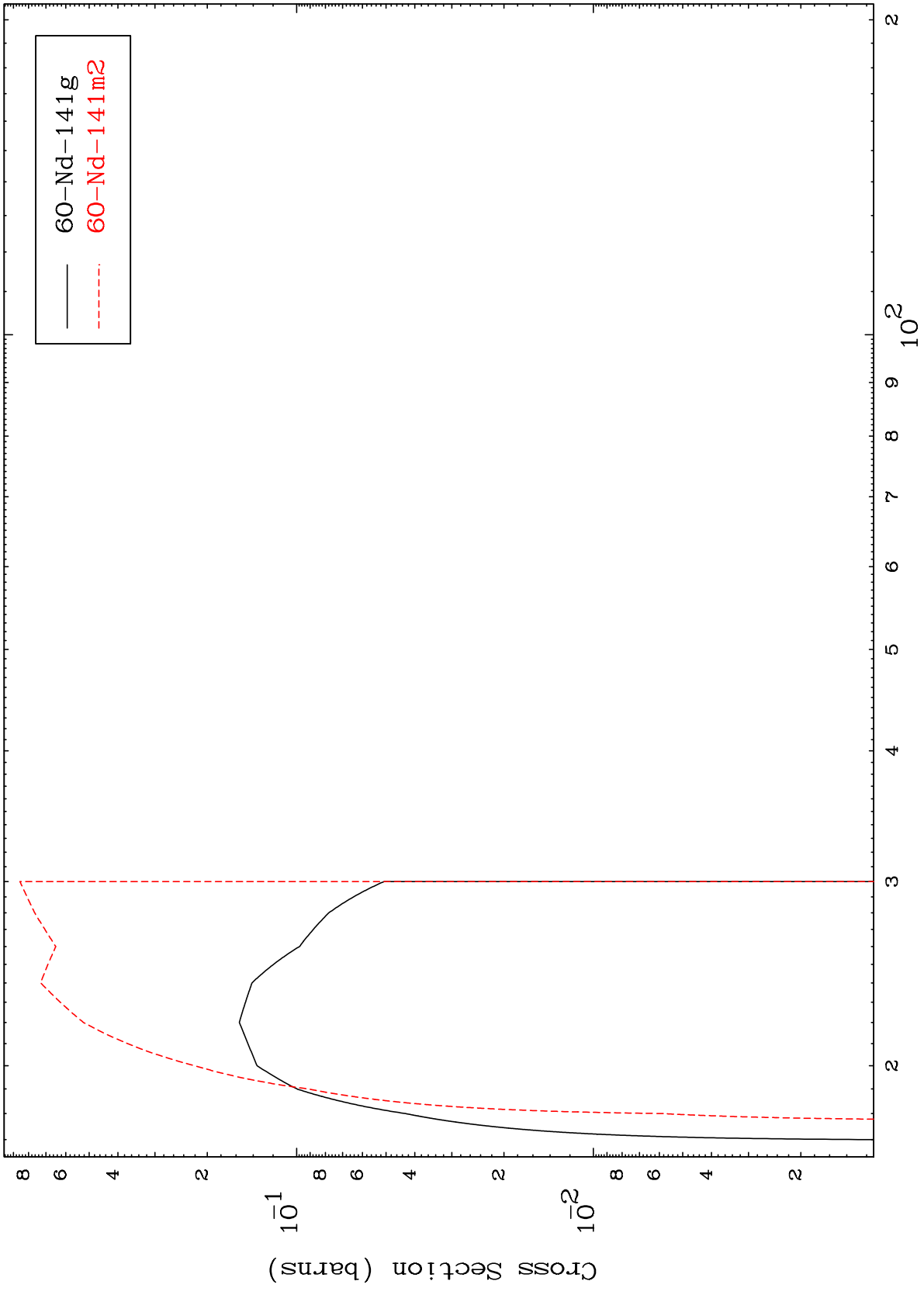
58-Ce-139

MAT 5834

( $\alpha, 2n$ )

58-Ce-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

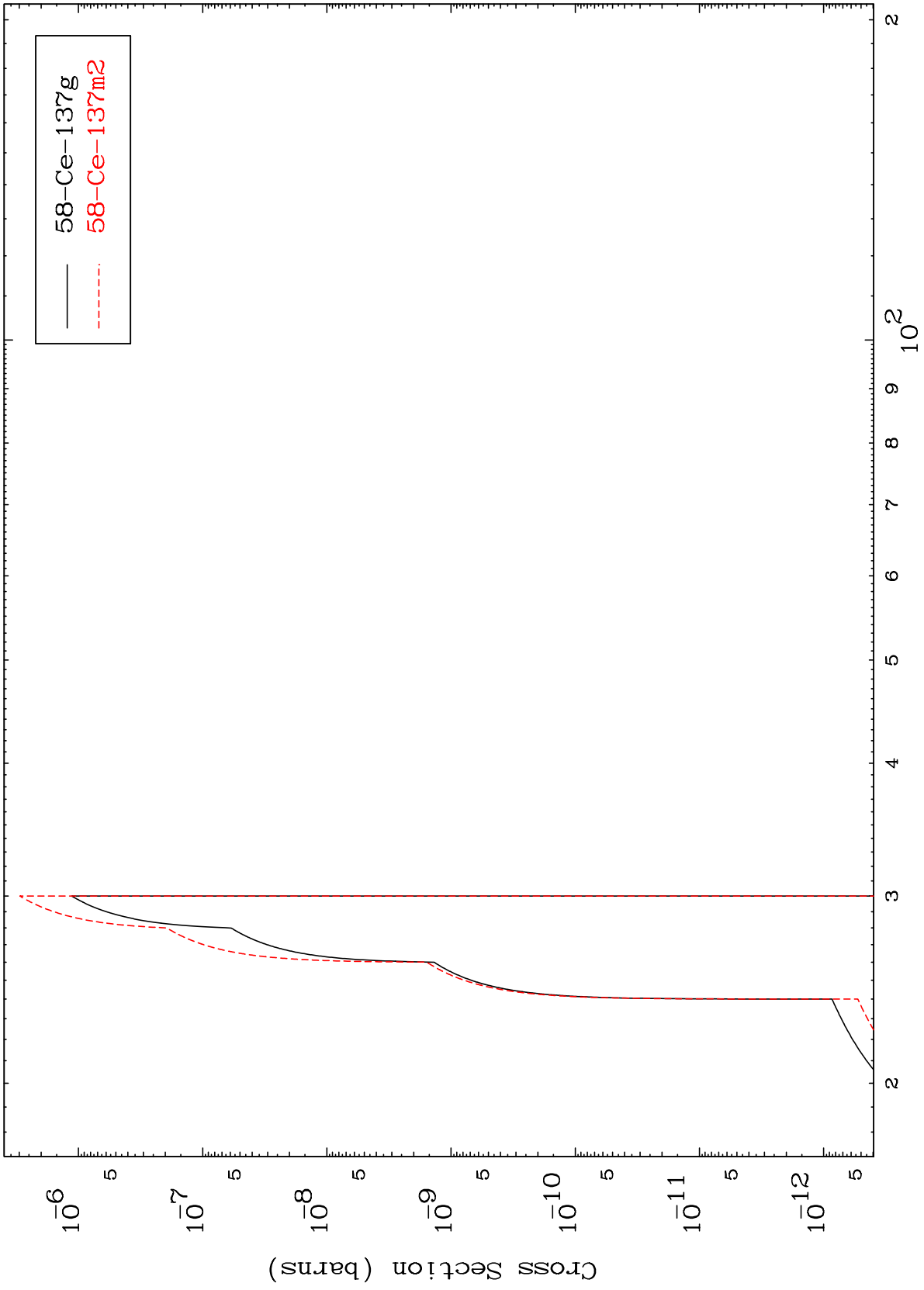
58-Ce-139

MAT 5834

$(\alpha, 2n) \alpha$

58-Ce-139

Radionuclide Production Cross Section



12

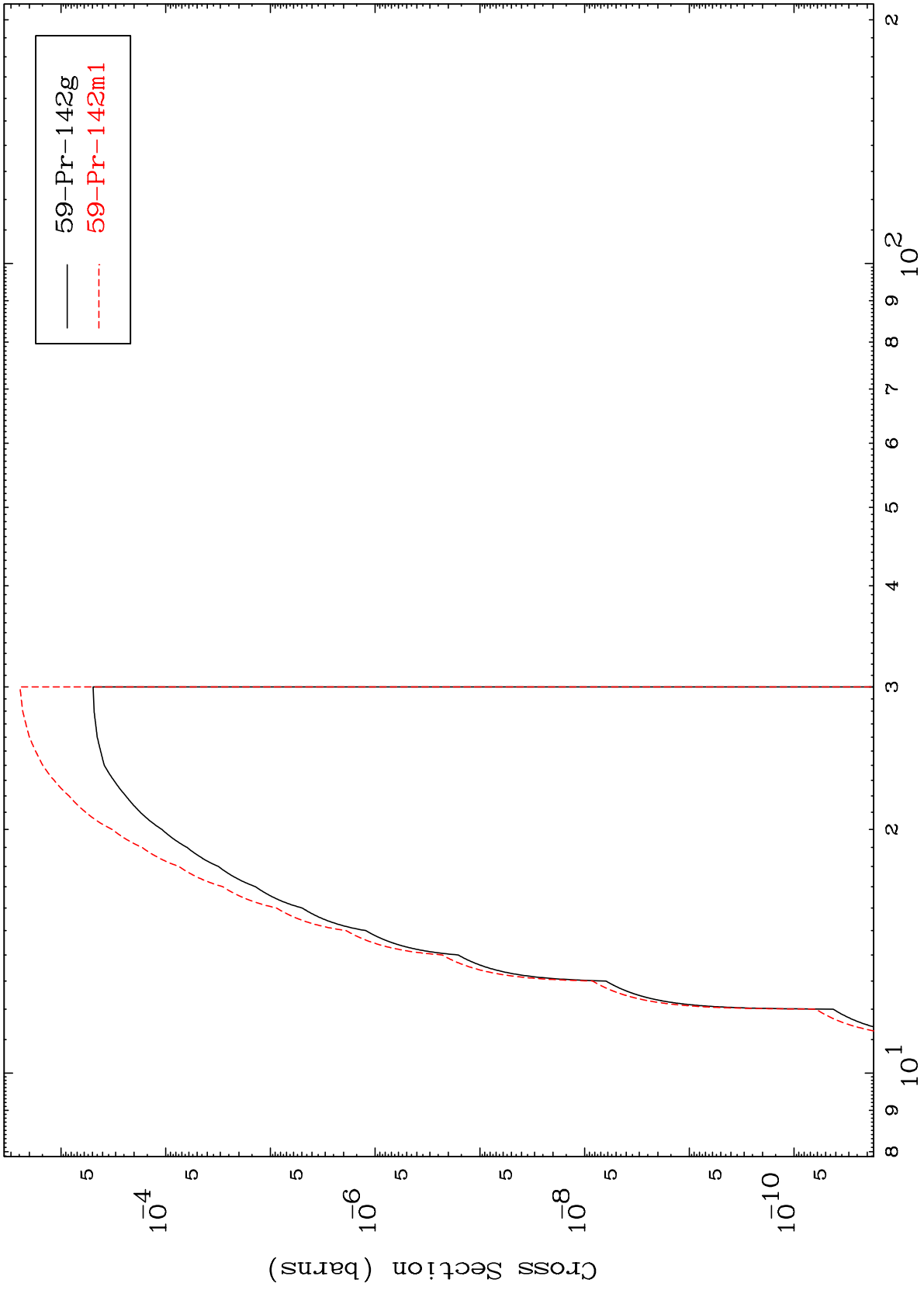
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

( $\alpha, p$ )  
Radionuclide Production Cross Section



13

Incident Energy (MeV)

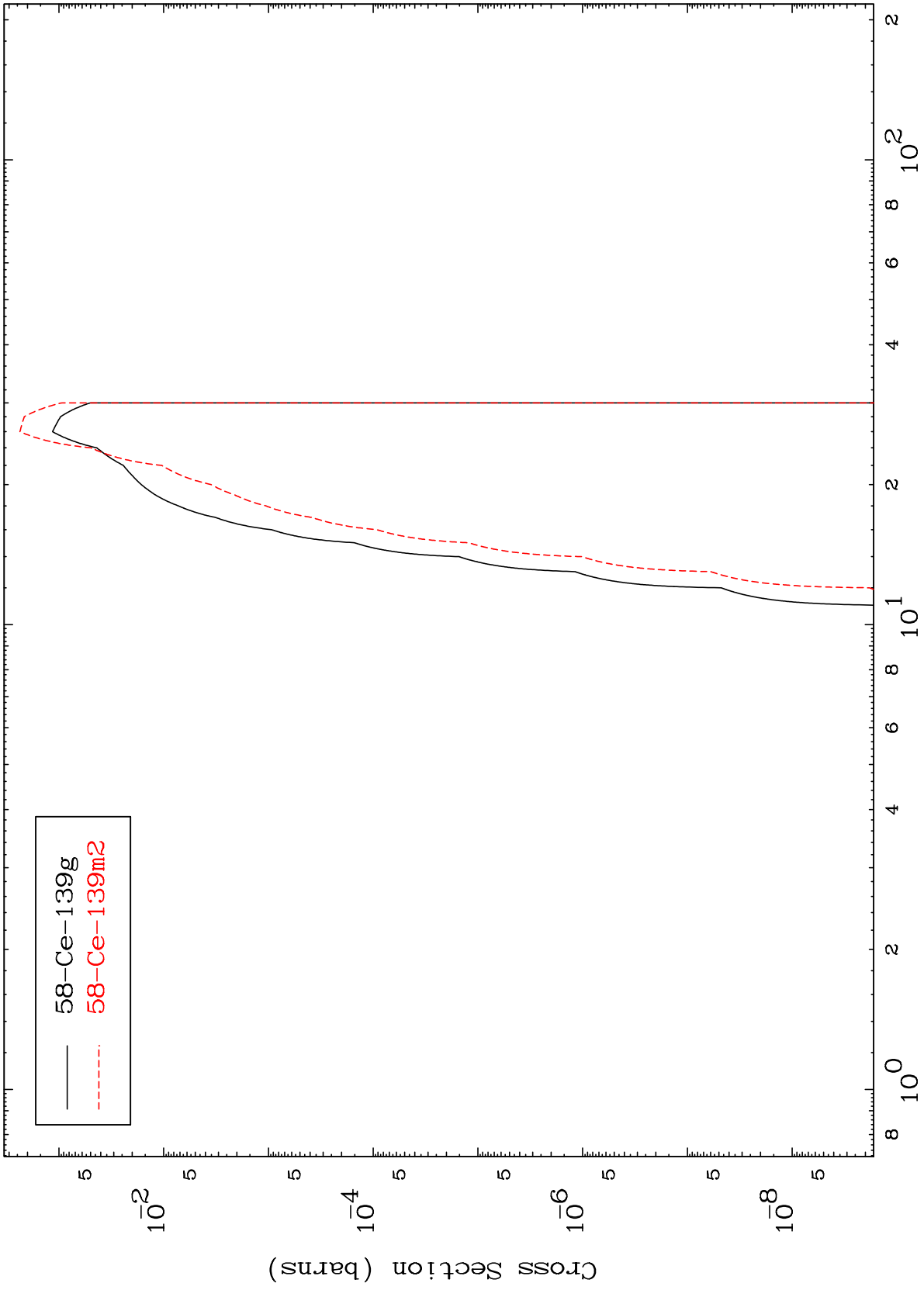
58-Ce-139

MAT 5834

( $\alpha, \alpha$ )

58-Ce-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

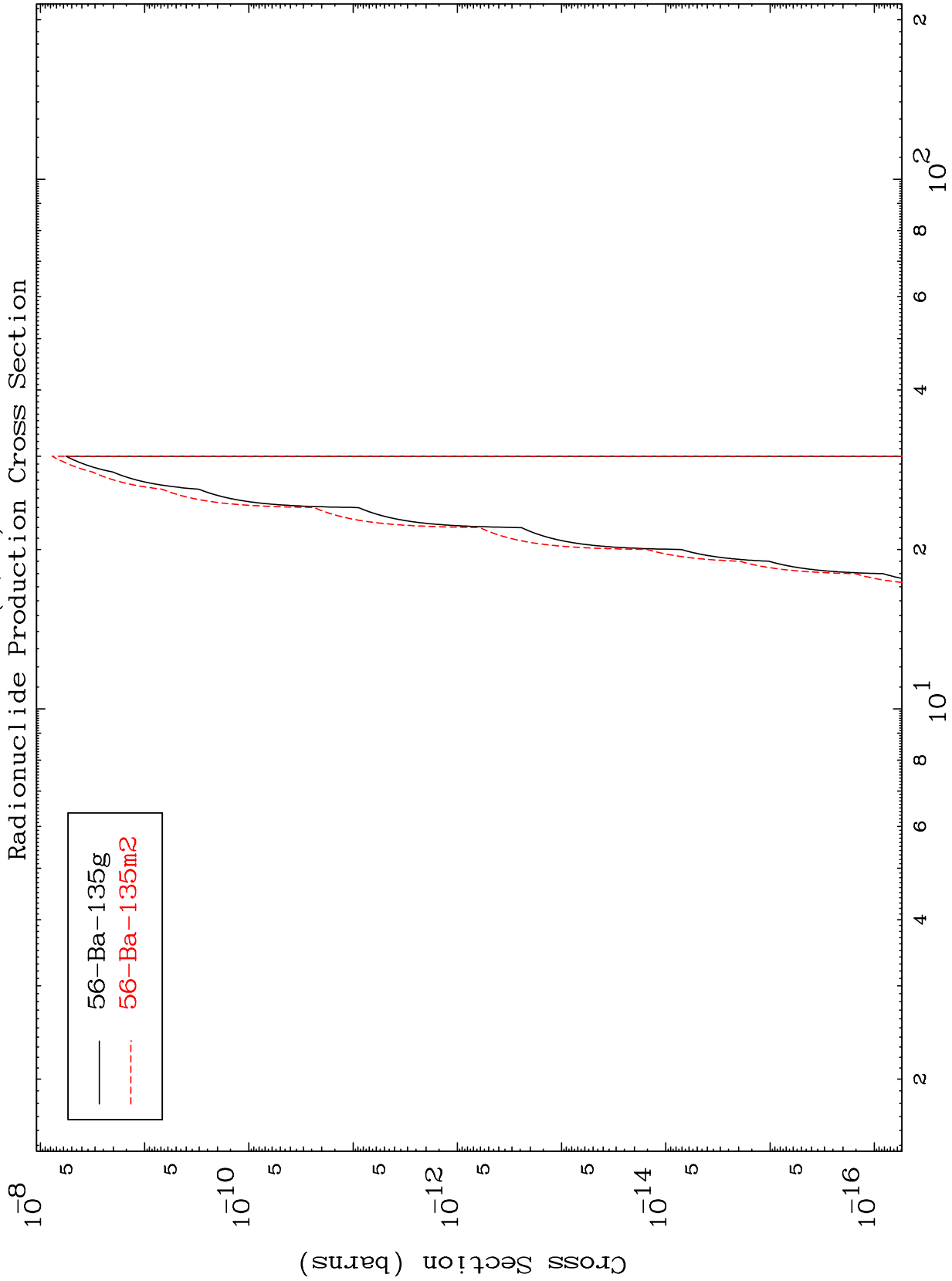
58-Ce-139

MAT 5834

( $\alpha, 2\alpha$ )

58-Ce-139

Radionuclide Production Cross Section



56-Ba-135g  
56-Ba-135m2

15

Incident Energy (MeV)

58-Ce-139